

What is claimed is:

1. A fire protective container, comprising:

a. an outer wall composed of:

- i. water glass composed of a sodium silicate solution that is about 40% solids, 60% water, and having a $\text{SiO}_2:\text{Na}_2\text{O}$ ratio in the range of about 2.1 to 4:1;
- ii. calcium chloride; and
- iii. a wicking agent.

2. The fire protective container of claim 1, further comprising:

- a. an intermediate wall; and
- b. an inner wall composed of a phase change material.

3. The fire protective container of claim 2, wherein said outer wall is about 1 to 2 inches thick, said intermediate wall is about 0.5 to 2 inches thick, and said inner wall is about 0.25 to 1 inch thick.

4. The fire protective container of claim 2, wherein said intermediate wall is composed of urethane.

5. The fire protective container of claim 2, wherein said intermediate wall is composed of polystyrene foam.

1 6. The fire protective container of claim 2, wherein said phase change material is
2 composed of dibasic and tribasic sodium phosphate, and water.

1 7. A fire protective container, comprising:

2 a. an outer wall composed of:

- 3 i. water glass composed of a sodium silicate solution that is about
4 40% solids, 60% water, and having a SiO₂:Na₂O ratio in the range
5 of about 2:1 to 4:1;
6 ii. calcium chloride; and
7 iii. dibasic sodium phosphate.

1 8. The fire protective container of claim 7, wherein said outer wall is further
2 composed of:

- 3 a. calcium metasilicate; and
4 b. propylene glycol.

1 9. The fire protective container of claim 8, wherein said outer wall is composed by
2 weight of:

- 3 a. 56 parts by weight of said water glass;
4 b. 0 to 2 parts by weight of said calcium metasilicate;
5 c. 6 to 12 parts by weight of said dibasic sodium phosphate; and
6 d. 0 to 3 parts by weight of said propylene glycol.

1 10. The fire protective container of claim 8, further comprising:

2 a. an intermediate wall; and

3 b. an inner wall composed of a phase change material.

1 11. The fire protective container of claim 10, wherein said outer wall is about 1 to 2
2 inches thick, said intermediate wall is about 0.5 to 2 inches thick, and said inner wall is about
3 0.25 to 1 inch thick.

1 12. The fire protective container of claim 11, wherein said intermediate wall is
2 composed of urethane.

1 13. The fire protective container of claim 11, wherein said intermediate wall is
2 composed of polystyrene foam.

1 14. The fire protective container of claim 11, wherein said phase change material is
2 composed of dibasic and tribasic sodium phosphate, and water.

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15. A fire protective container, comprising:

a. an outer wall composed of:

- i. water glass composed of a sodium silicate solution that is about 40% solids, 60% water, and having a $\text{SiO}_2:\text{Na}_2\text{O}$ ratio in the range of about 2:1 to 4:1;
- ii. calcium chloride; and
- iii. an additive chosen from the group of calcium oxide or calcium hydroxide.

16. The fire protection container of claim 15, wherein said outer wall is further composed of:

- a. spray dried sodium silicate; and
- b. propylene glycol.

17. The fire protection container of claim 16, wherein said outer wall is composed by weight of:

- a. 56 parts by weight of said water glass;
- b. 0 to 12 parts by weight of said spray dried sodium silicate;
- c. 4 to 10 parts by weight of said additive;
- d. 2 to 10 parts by weight of said calcium chloride; and
- e. 0 to 3 parts by weight of said propylene glycol.

1 18. The fire protection container of claim 16, wherein said outer wall is further
2 composed of anhydrous dibasic sodium phosphate.

1 19. The fire protection container of claim 18, wherein said anhydrous dibasic sodium
2 phosphate is added in 4 to 12 parts by weight.

1 20. A fire protection container, comprising:

2 a. an outer wall composed of:

- 3 i. water glass composed of a sodium silicate solution that is about
4 40% solids, 60% water, and having a SiO₂:Na₂O ratio in the range
5 of about 2:1 to 4:1;
6 ii. calcium chloride; and
7 iii. propylene glycol.

1 21. The fire protection container of claim 20, wherein said outer wall is further
2 composed of calcium oxide.

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- a. 20 parts by weight of said water glass;
- b. 1 part by weight of said water soluble oil;
- c. 2 to 3 parts by weight of said calcium oxide; and
- d. 2.4 to 3.2 parts by weight of said calcium chloride.